To: Cally Younger[cyounger@blm.gov]

From: Roberson, Edwin

Sent: 2017-08-30T19:34:01-04:00

Importance: Normal

Subject: Information

Received: 2017-08-30T23:35:54-04:00
GSENM Proclamation Objects Highlights 08.2017.docx
GSENM List of Historic and Scientific Objects of Interest.xlsx
GSENM publications as of April 2016 Final.xlsx

Cally,

I apologize for giving you so much information so quickly, but I want you to have whatever source materials as may be of value to you.

We pulled a few more things together for you. The first attachment has short descriptions for all the objects and features listed in the proclamation (the list I sent Monday evening). The objects and features are not all shown on the briefing map I sent you along with the list. We can discuss with you which ones you would like to see on the map.

The second attachment is a list of the historic and scientific objects (geologic, paleontologic, biologic, etc) that have been identified on the monument along with their location and the source that identified the objects.

The third attachment is a bibliography of publications that address monument resources. I believe this is a supplement to the bibliography contained in appendix C of the Proclamation.

I will be sending you a map shortly that includes the WSAs, LWCs, Oil and Gas and Coal leases in 1996 (this is a proxy for mineral potential, as we are still looking for a good source). We can't really put paleo or cultural information on this overall map because it will get to complicated to read.

I will be tied up at the Utah Recreation summit until about 4 pm your time. My cell is dead so I will be calling you as soon as I get back to the office. I could have my GIS person on if that would help. Thanks you. ed

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Ed Roberson,

Utah BLM State Director Office Phone: 801-539-4010 Cell Phone: 801-641-3846 Website: https://www.blm.gov/utah

Grand Staircase – Escalante National Monument Highlighted Objects & Research

Understanding the History of Humans In the Region

Hole-in-the-Rock Trail - Significant site in Utah History associated with the 1879-1880 mission that took the first permanent settlers to San Juan County from many southern Utah communities. The trail and associated road building is likely one of the best examples of pioneer spirit including ingenuity, tenacity, and courage. The site is listed on the National Register of Historic Places (in 1980). A 2017 Ethnographic Landscape Report was prepared by NPS leading towards considering the trail and its associated places (such as Hole-in-the-Rock, Dance Hall Rock, and the many temporary camps) as a Traditional Cultural Property.

Dance Hall Rock – A large natural bedrock exposure that is a major landmark along the Hole-in-the-Rock Trail. This location was used by the Hole-in-the-Rock expedition as a social focal point during the construction of the trail through Hole-in-the-Rock and down to the Colorado River. Dances were held at this location during this period in 1879-1880 while pioneers were camped a mile away at Forty Mile Spring. There are numerous inscriptions of the members of the expedition carved into this landform.

Old Paria Townsite – While early settlement occurred in the region from 1869-1885, people lived in the area until the mid-1930s. The landscape today is relatively unchanged from modern development. The major alteration of the landscape is a result of the flooding of the Paria River through the years. This helps illustrate the history of the area and why settlement failed.

Southern Paiute and Navajo Peoples – Used this area extensively and have reservations near by. In 1934 Isabel Kelly wrote a Southern Paiute ethnography of the area describing Southern Paiute lifeways in this area including areas around Kanab, Kitchen Corral Canyon, and the Kaiparowits. This publication has been a guiding reference for current graduate student research in ethnobotany and Native American spring/water use on the Monument. Southern Paiute people still use many places on the Monument for collection of natural resources. There is some use of the area by Navajo peoples including a 1860s camp in vicinity of White House Campground. This general area, including Catstair Canyon is still used as by Navajo peoples for plant collection.

Mormon Exploration and Settlement - Important to the settlement of this area and to Utah history, there are numerous homesteads, ranches, and early settlements located on the Monument and in the surrounding area. Additionally, there are a number of wagon trails and early automobile trails connecting these places as well as line camps, cattle trails, corrals, cabins, rock houses, and other manifestations related to the early livestock grazing that occurred in association with settlement.

Historic Trails, Inscriptions – Hole-in-the-Rock Trail (see above) is listed on the National Register of Historic Places. The Old Spanish Trail is a National Historic Trail that roughly parallels Hwy 89 on the Grand Staircase. Many other trails, including the Boulder Mail Trail from Escalante to Boulder and Old Paria Road from Johnson Canyon to Paria River, are associated with Mormon exploration and settlement.

Opportunities for Archaeological Research – Academic research has occurred in this area since perhaps around 1890. University of Utah did a lot of research on the Kaiparowits and Escalante Canyons area associated with the construction of Glen Canyon Dam in the 1950s and 60s.

Steward did early research in the Anasazi area of the Vermillion Cliffs in the 1930s. BYU has done a lot of research in the Escalante Region in the late 1990s and early 2000s. Current graduate research within the past 5 years has included paleoecological analysis of the both the Grand Staircase and Kaiparowits regions, rock art research, and ethnobotanical studies. Research potential and opportunities are of plenty.

Fremont-Anasazi Occupation – Fremont occupation occurred along the Escalante River corridor and Potato Valley (Escalante area) and continued onto the Kaiparowits and Aquarius Plataeus from 300 BC to circa 1300 AD. Anasazi occupations (500 BC to 1300 AD) occurred on the Grand Staircase along the Vermillion Cliffs and up canyons (Johnson Canyon, Kitchen Corral Canyon, Paria River, Wahweap Creek, etc) as well as certain places on the Kaiparowits Plateau. Interactions between the Fremont and the Anasazi occurred on the Kaiparowits Plateau (particularly Fifty Mile mountain and the Straight Cliffs areas and Escalante Canyon, and probably also around Wahweap Creek (more research needs to be done). Fremont and especially Anasazi had large populations of people living in this area particularly from 900 AD to 1300 AD.

Geologic Structures, Stratigraphy, and Erosional Features

The Grand Staircase (Paleozoic) -- An unbroken, well-exposed, sequence of cliffs and plateaus of through Tertiary sedimentary rocks that rise 5,500 feet from the Chocolate Cliffs to the rim of Bryce Canyon. "The most colorful exposed geologic section in the world." - H.H. Doelling. This physiographic region was the centerpiece of classic geological studies by Powell, Stanton, Dutton, Walcott, Thompson, and others and has become symbolic of early geologic exploration on the Colorado Plateau (Titus, 2013). The Vermilion Cliffs in particular contain a rich Late Triassicthrough early Jurassic fossil record deposited on the eastern shores of ancient Lake Dixie. Petrified wood, fish remains, dinosaur and other reptilian bones and fossil footprints are common (Fox and Joyce, 200?). One site in particular, the Flag Point tracksite (42KaNNNN) is probably worthy of world heritage designation as the fossil tracks are in direct association with a unique Native American rock art panel depicting dinosaur tracks. The area has become a popular ATV riding destination as it contains a segment of the Great Western Trail and also numerous trails along the Wygaret and Skutumpah terraces. Hiking is also popular in the particularly deep and long slot canyons hosted in the Navajo Sandstone such as Willis Creek, Bull Valley Gorge, and Lick Wash.

The Upper Paria Region – Rugged canyons, natural arches, and "hydrothermal-collapse" pipes and dikes. The Upper Paria River region contains more of the same geologic and scenic features found inside Kodachrome Basin State Park. The middle Jurassic rocks (Carmel and Entrada formations) exposed there are particularly colorful and varied. The collapse features are part of a fascinating story of geologic catastrophe, being triggered by either a massive earthquake or asteroid impact.

White Cliffs -- Exposure of more than 1,500 vertical feet of eolian (wind-deposited), Jurassic Navajo Sandstone. This formation is world renowned for its scenic beauty. It is actually the remains of the largest sand sea (erg) that ever existed and thus is geologically unique. However, the formation is widespread on the Colorado Plateau region and is the centerpiece of such scenic wonders such as Zion, Arches, and Capitol Reef national parks.

Vermilion Cliffs -- Jurassic Moenave and Kayenta Formations of near-shore marine origins. The Moenave and Kayenta formations are actually river, dune and lake deposits the accumulated far from any marine shoreline. The upper portion of this sequence is a common arch former and thus of scenic value, while the cliffs themselves are particularly scenic with their deep red hues. The layers date to the early Jurassic and record a major extinction and the ascendancy of the dinosaurs in North American ecosystems. The most common fossils are fossil footprints and invertebrate traces.

Kaiparowits Plateau - Cretaceous, coal-bearing deltaic sequences deposited in a major depositional basin. Part of the coal field is burning underground from naturally ignited fires. The Burning Hills are evidence of past fires. The vast, wild, rugged badlands scenery of the Kaiparowits Plateau is comparable to that of the famous Bisti Badlands of New Mexico, both in character and color, but with more topographic relief. Overall the region is characterized by gray colors and towering cliffs separating tiers of fossil-rich badlands (see below under Paleontological Resources). Coal resources are mostly confined to the eastern half, where the conditions were more persistently swampy. In these areas, coal fires such as are found in the Burning hills provide a rich veneer of red and orange color where the rocks have oxidized. Most of the formations locally weather into intricate scenic hoodoos. Several routes through the region such as the Smoky Mountain road, Collett Canyon, and Croton Canyon are popular with OHV users. The "otherworldly" scenery of the Kaiparowits is also popular with advertisers and film companies and several large budget movies such as "Planet of the Apes," "John Carter of Mars," "The Outlaw Josey Wales," and "Evolution," have been filmed in and around the Kaiparowits over the last four decades. Although typically not a "hiking destination" the ever increasingly popular Heyduke Trail now traverses the northern half of the Kaiparowits Plateau.

Straight Cliffs – These cliffs are a series of stacked, Cretaceous barrier islands. The Straight Cliffs are so named because the cliffs themselves mimic the Cretaceous shoreline. UPDATE: The Straight Cliffs topographic feature is formed in the Straight Cliffs Formation of Cretaceous age. The scenic cliffs are a prominent regional land form and define the eastern edge of the Kaiparowits Plateau. Some of the most significant archeology in the entire monument is found on its southern end.

The Cockscomb – An impressive, erosional "hogback" developed along the East Kaibab monocline. The East Kaibab monocline is the steeply dipping east limb of the Kaibab anticline. The Cockscomb is one of the Monument's true scenic wonders. It is a large scale ridge formed by the resistant geologic layers caught up in the large scale folding of the East Kaibab Monocline, which continues into Arizona and defines the east edge of the Grand Canyon. The stark uplift, broad exposures of multicolored rocks and intricate canyons carved into it create a feature comparable in wonder and beauty to that of Capitol Reef National Park, Comb Ridge, or The San Rafael Swell. It is extremely popular with tourists, many of which drive the busy Cottonwood Canyon road. Popular destinations include the Paria Townsite and Josey Wales movie set, Hackberry Canyon, The Box, Cat Stair Canyon, The Squeeze, the Cottonwood Narrows (most accessible slot canyon in the Monument), Grosvenor Arch, The Gut, and the Brigham Plain road.

Circle Cliffs – A breached anticline which exposes sedimentary rocks of the Triassic Chinle and Moenkopi formations that contain large, unbroken petrified logs, uranium minerals, and bitumen deposits. The Circle Cliffs contains spectacular Colorado Plateau scenery of painted-desert badlands and sandstone cliffs. Numerous Cold War era uranium mines that were hosted in the Shinarump Member of the Chinle Formation are popular as tourist destinations. Hiking is popular in many of the canyons that lead into the Escalante River drainage. Rock climbing has become a popular activity on vertical exposures of the Wingate Sandstone, especially along Long Canyon on the Burr Trail.

Waterpocket Fold -- A long, sinuous geologic fold and erosional expression, similar to The Cockscomb, comprising the east flank of the Circle Cliffs anticline. The Waterpocket Fold is the same exact feature found in Capitol Reef National Park, with which GSENM shares a common boundary. Its world class scenery and rugged remoteness are popular with wilderness seekers.

Natural Arches and Bridges – Escalante Natural Bridge, Grosvenor Arch, Starlight Arch, Woolsey Arch, Window Arch, Boyington Arch, Phipps Arch, Sunset Arch. The Monument's arches and natural bridges, with Grosvenor Arch and those exposed along the Escalante River corridor are continually increasing in popularity as tourist destinations. Grosvenor is a rare double arch which towers over 150 feet high.

Canyon Exposures – Vivid colors of the Escalante Canyons region and elsewhere cause by intense erosion and downcutting (no opportunity for soil forming)of the many Mesozoic sedimentary rocks units. These exposures provide geologists with unobscured views of Earth history. The Escalante Canyons region is the single most visited area within GSENM. An abundance of slot canyons, towering cliffs, scenic red rocks, and lush riparian areas combine to make it one of the most beautiful and popular areas in the entire region. Recent geological studies in the area have sought to establish the rates of erosion, and the chemical and migration history of iron minerals that provide the color to the rocks (Chan and Beitler NNNN).

World-Class Paleontological Sites

Circle Cliffs – Unbroken petrified Jogs up to 30 feet in length are present in the Petrified Forest Member of the Chinle Formation. Survey work by Yale between 2002-2006 documented a number of important vertebrate fossil sites in the Chinle Formation in the Circle Cliffs region including a nearly complete articulated rare reptile called Poposaurus

(http://peabody.yale.edu/support/peabody-finds-poposaurus). The region has not been the focus of much additional survey work since 2006 and numerous additional sites probably still await discovery.

Kaiparowits Plateau – One of the best, most continuous records of Late Cretaceous life in the world. Fossils include mollusks, reptiles (turtles, crocodilians, lizards), dinosaurs, fishes, and mammals. The Kaiparowits rocks contain the only evidence, in our hemisphere, of terrestrial vertebrate fauna from the Cenomanian through Santonian (Late Cretaceous) ages

The Cretaceous age fossil resources of the Kaiparowits Plateau have exceeded the Proclamation's expectations both in terms of abundance and scientific significance. Almost 4,000 new fossil sites have been documented by Museum and University crews under the coordination of the Monument's paleontology program since 2000. All formations have yielded vertebrate fossils, but Tropic Shale, Wahweap, and Kaiparowits fossils have been most spectacular and significant. Scientific work on these fossils has resulted in the publication of 12 new species of dinosaurs in the last 12 years, a pace on par with any other dinosaur producing region in North America. A Kaiparowits specific conference on late Cretaceous paleontology was held in 2009, which resulted in the publication of a 625 page book called "At the Top of the Grand Staircase: The Late Cretaceous of Southern Utah" (Titus and Loewen, 2013). Because of its unique ancient geography and environments, the region remains the most complete, most fossiliferous Late Cretaceous terrestrial fossil record in the western hemisphere. They were also recently showcased during an international meeting on vertebrate paleontology held in Salt Lake City (Titus, Eaton, and Sertich, 2017).

The Cretaceous formations of the Kaiparowits Plateau are, in ascending order with their significance summarized:

- Dakota Formation Important early mammal and reptile fossils. Contains one of the only terrestrial vertebrate fossil records in North America. The Bulldog Bench and Rimrocks (lower Cottonwood Canyon) areas are especially rich. Larger remains are rare, but intact turtle shells, and pieces of crocodiles are fairly common. Dinosaurs are still only known by tooth records. The mammal, fish, amphibian and lizard faunas were published in Titus and Loewen (2013). Surveys by Weber State and the Natural History Museum of Utah are ongoing.
- Tropic Shale Formation Best marine reptile record from the southern Interior Seaway.
 Inventory work has shown that a truly remarkable marine reptile record is in the Tropic. Five species of plesiosaur (whale-size marine reptiles) and North America's oldest mosasaur

were found between 2000 and 2010. This is the highest diversity known for the period in North America. Many acres remain to be surveyed, particularly in the Croton Canyon and Steer Canyon areas.

- Straight Cliffs Formation Tibbet Canyon member-The Tibbet Canyon has been
 intermittently surveyed in the southwestern portion of the Kaiparowits Plateau where it
 contains fossil sharks teeth, turtle shell and rare dinosaur remains. It is mostly marine in the
 eastern half of the Kaiparowits, where it lacks an abundance of vertebrate fossils.
 Spectacular logs of petrified wood occur east of Cottonwood Canyon. No new animals have
 been named from the unit.
- Smoky Hollow and John Henry members -Two small dinosaur bonebeds were found in the Smoky Hollow member in 2009 during survey work in the southwestern Kaiparowits Plateau. These are some of the only records of Turonian dinosaur skeletons in Utah. The John Henry member has yielded associated tyrannosaur material and other rare dinosaur finds in the same area. Dinosaur remains from the time of the John Henry Member are extremely rare throughout the whole world and any material is considered significant. No dinosaurs have been named from the Straight Cliffs formation thus far. The mammal, turtle, fish and lizard faunas of these two units was published in Titus and Loewen (2013).
- Wahweap Formation The exact age of the Wahweap Formation was unknown when the Monument was established. Research has since shown that the unit dates to between 78 and 81 million years ago. The most fossiliferous part of the formation (middle shale member) has produced a spectacular dinosaur fauna that is older than similar faunas found in Montana and Canada (Titus, Eaton, and Sertich, 2017). In general, the western outcrops are more fossiliferous than those in the east. Five new species of dinosaurs (*Diabloceratops eatoni, Machairoceratops cronusi, Adelolophus hutchisoni, Acristavus gaglarsoni, Lythronax argestes*) have been named, with two more and a giant crocodile currently being researched. A rich fossil record has yielded important specimens of everything from fish to mammals and plants (Titus and Loewen, 2013). It is one of the most complete known middle Campanian ecosystems preserved in North America and gives key insights into the evolution of later, more famous Campanian species. Survey work in the formation is still in its early stages, with only an estimated 10% of available exposures having been covered.
- Kaiparowits Formation This formation has long been known to be the most fossiliferous formation in the region and it has been the focus of most recent survey work. New species of dinosaurs were discovered the very first field season (2000) by crews from the Natural History Museum of Utah and almost every year since. In total seven new species (Hagryphus, Gryposaurus monumentensis, Nasutoceratops titusi, Kosmoceratops richardsoni, Utahceratops gettyi, Teratophoneus currie, Talos sampsoni) have been published. A similar number will be published in the next few years, making it one of the most scientifically productive dinosaur resources in North America. Similar age beds in Canada have also provided a complete glimpse of this time period, but the Kaiparowits Formation is the most complete Late Campanian fossil ecosystem in the southern USA. Some of the literally world class finds include mass death assemblages of turtles, crocodiles and dinosaurs preserved with soft tissue and eggs; an entire tyrannosaur family killed by fire (only multi individual tyrannosaur site in the southern USA); an nearly complete articulated tyrannosaur (the only one over found in the southern USA); and a fossil forest floor preserved with all of its plants in upright, 3D position. It is almost impossible to overstate the scientific importance of the this particular formation and its fossil content. Approximately 30% of the formation has been surveyed as of 2017.

Monument Wide – Although not specifically noted in the Proclamation, many opportunities for paleontological research also exist in formations of the Permian, Triassic, Jurassic, and Tertiary periods.

Opportunities for Biological Research and Discovery

Five Life Zones – The life zones range from low-lying desert to coniferous forests containing a blend of warm and cold desert floras. This rich floristic region contains a large number of endemic species. Because of its rugged remoteness, the Monument contains many isolated biologic communities (hanging gardens, tinajas, rock crevices, canyon bottoms, dunal packet communities).

Diverse Soils – An array of strata (parent material), exposed in many places, that give rise to diverse soils that support equally diverse plant communities and their pollinators. These communities offer opportunities to study plant spec/at/on and community dynamics.

Relic Vegetation -- Isolated because of topography, many areas contain relatively undisturbed plant communities - some ofwhichmay have existed since the Pleistocene. No Mans Mesa Is an example where pinyon-juniper communities contain trees as much as 1,400 years old.

Cryptobiotic Crusts -- These crusts contain unique microbiotic communities that stabilize the highly erodible so/ls of the region.

Packrat Middens -- Provide Insight into climate and vegetation over the past 25,000 years.

Livestock Grazing – The Monument has partnered with Utah State University for livestock grazing research opportunities.

Wildlife Diversity – Besides mountain lion, black bear, mule deer, elk, and desert bighorn sheep, the Monument Is home to over 200 species of birds. Wildlife concentrates mainly in the riparian zones of the Paria and Escalante River drainages.

Citations

Titus, A. L. and Loewen, M.A. 2013. At the top of the Grand Staircase, the Late Cretaceous of Southern Utah. Indiana University Press, Bloomington, 625 pages.

Titus, A.L., Eaton, J.G., and Sertich, J., 2016, Late Cretaceous stratigraphy and vertebrate faunas of the Markagunt, Paunsaugunt, and Kaiparowits Plateaus, southern Utah: Geology of the Intermountain West, v. 3, p. 229–291.

Grand Staircase-Escalante National Monument List of Historic and Scientific Objects

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Object	Description	Location	Source
	(b)(5) DPP (b)(5) ACP		
Objects of Geologic			UT BLM Statewide Final
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			of the Circle Cliffs Area,
Objects of Geologic			Garfield and Kane Counties, Utah, 1967. p.
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			Environmental Geologic
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Objects of Geologic			Kaiparowits Coal-Basin, Utah. P. 16, and UT
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			Davidson, E.S., Geology
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Object	Description	Location	Source
	The area contains a unique canyon and bench		
	system. The entire ISA contains outstanding scenery. Examples include the area east of		
	Horse Canyon. Four canyons have isolated 10		
	benches of varying size. Many bench tops have intricate pattern of innumerable orange-		
	red Kayenta Sandstone knobs. Wolverine		
	Canyon and Death Hollow have extremely narrow and convoluted sections. Another		
	feature, Harris Wash a canyon of the classic		
	Escalante River drainage canyon form with	North Escalante	LITDIMO (1 P. 1
Objects of Geologic Interest	many entrenched meanders in the Navajo Sandstone.	Canyons/The Gulch ISA.	UT BLM Statewide Final Wilderness EIS, 1990
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Objects of Geologic Interest	Mollie's Nipple, an erosional remnant is a major landmark in the area.	Kaiparowitz Plateau.	UT BLM Statewide Final Wilderness EIS, 1990
	Natural Arches. Sam Pollock Arch, located at	1	
Objects of Geologic	the head of a tributary drainage of Hackberry Canyon, and Starlight Arch located west of	Paria-Hackberry	UT BLM Statewide Final
Interest	No Man's Mesa.	WSA.	Wilderness EIS, 1990
	Area of diverse geology represented by		
	spectacular deep canyons. The Escalante River Canyon is 1100 feet deep. The canyon walls are		
	rough and broken and the canyon is narrow and		
	it meanders. Pure white to golden sandstone has been eroded into expanses of slickrock. Death		
	Hollow Canyon is 1,000' feet deep and		
	meandering. The extensive upper basin through which Mamie Creek flows is a extremely		
	dissected area of canyons, tanks, other		
	formations. Red layers of Carmel Formation cap high mesas and ledges of the exposed		
Objects of Geologic Interest	Kayenta Formation.	Phipps-Death Hollow WSA.	UT BLM Statewide Final Wilderness EIS, 1990
	Petrified wood deposits just west of the Old		
Objects of Geologic Interest	Paria Townsite and in Hackberry Canyon. Both are in the Chinle formation.	Paria-Hackberry WSA.	UT BLM Statewide Final Wilderness EIS, 1990
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	All the topographic features of the Kaiparowits region have been developed in sedimentary		
	rocks. The Kaiparowits Plateau is a slightly		
	tilted sedimentary mass that extends as a		
	narrow mesa from the High Plateaus to Glen Canyon 70 miles distant. Its culminating point,		
	Canaan Peak is an outlier of the Table Cliff		
	Plateau; the Paria Plateau is a huge block of sandstone, the Waterpocket monocline is a		
	ridge of folded rock intricately dissected and		
	flanked by hogbacks, and the broken "comb" in		
	the vicinity of Paria is the edge of sandstone beds upturned in the East Kaibab fold. The		
	Circle Cliffs are inward-facing walls of		
	sandstone that rim an oval depression. These		
	prominent features are but large-scale examples of the mesas, buttes, and ridges that		
Objects of Geologic	characterize the landscape of southern Utah.	17.	UT BLM Statewide Final
Interest	Paria River from Colorado River to its source,	Kaiparowitz Plateau.	Wilderness EIS, 1990
	identified by NPS as possessing values that may		
Objects of Geologic	be of national significance, potential to be included in the National Wild and Scenic	Paria-Hackberry	UT BLM Statewide Final
Interest	River System.	WSA.	Wilderness EIS, 1990
	Escalante River from Lake Powell to its source, a section of 14.9 miles, was		
	designated as for study as a candidate Wild		
Objects of Geologic	and Scenic River by the Secretary of the	Phipps-Death	UT BLM Statewide Final
Interest	Interior on 10/11/70.	Hollow WSA.	Wilderness EIS, 1990

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Object	Description	Location	Source
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Objects of Paleontologic			Kaiparowits Coal-Basin,
Interest			Utah. pp 14-15.
			BLM, Escalante/Kanab
			RMP - Grand Staircase
Objects of Paleontologic			Ecosystem Analysis,
Interest			1994
			BLM, Kaiparowits
01: 4 07: 1			Power Project
Objects of Paleontologic			Environmental Impact
Interest			Statement, 1976.
			BLM, Warm Springs
Objects of Paleontologic			Project Preliminary Draft
Interest			EIS, 1996.
			,
			Utah BLM Statewide
Objects of Paleontologic			Final Wilderness EIS,
Interest			1990.
			Eaton, Jeffrey G, and
			Cifelli, Richard L. Preliminary report on Late
			Cretaceous mammals of
Objects of Paleontologic			the Kaiparowits Plateau,
Interest			southern Utah, 1988
			Eaton, Jeffrey G.,
Objects of D. 1 1			Personal correspondence
Objects of Paleontologic Interest			to Mr. Mike Noel, BLM, 1991
microst			1771

		<u>M 8-30-17</u>	
Object	Description	Location	Source
	(b)(5) DPP (b)(5) ACP		
011 07 11 1			Utah BLM Statewide
Objects of Prehistoric			Final Wilderness EIS,
Interest	-	_	1990.
			Utah BLM Statewide
Objects of Prehistoric			Final Wilderness EIS,
Interest			1990.
microst	-		1770.
			Utah BLM Statewide
Objects of Prehistoric			Final Wilderness EIS,
Interest			1990.
			Utah Wilderness
			Coalition. Wilderness at
			the Edge. p. 147 and
			Lister, Florence C.,
			Kaiparowits Plateau and
			Glen Canyon prehistory,
Objects of Prehistoric			an interpretation based
Interest	_		on ceramics, 1964.
			Utah BLM Statewide
Objects of Prehistoric			Final Wilderness EIS,
Interest			1990.
	_		1990.
			Utah BLM Statewide
Objects of Prehistoric			Final Wilderness EIS,
Interest	_		1990.
011			BLM, Kaiparowits power
Objects of Prehistoric		K	project environmental
Interest	-		impact statement, 1976.
			EDT 1000 IZ
			ERT, 1980, Kaiparowits
Objects of Probistoria			coal development and transportation study, final
Objects of Prehistoric Interest			report.
111101001			1-poin
			Fish, Paul, Preliminary
Objects of Prehistoric			Report Kaiparowits
Interest			Power Project.
			Utah BLM Statewide
Objects of Prehistoric			Final Wilderness EIS,
Interest			1990.

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		GSENM 8-30-17	
Object	Description	Location	Source
	(b)(5) DPP (b)(5) ACP		
Objects of Prehistoric Interest			Utah BLM Statewide Final Wilderness EIS, 1990.
Objects of Prehistoric			BIM Utah Statewide Wilderness EIS, 1990, and Hauck, F.R., Cultural Resource Evaluation of South-Central Utah,
Interest	_		1977-1978.
Objects of Prehistoric Interest			Utah BLM Statewide Final Wilderness EIS, A 1990.
Objects of Prehistoric Interest			Lister, Kaiparowits Plateau and Glen Canyon Prehistory: An interpretation based on ceramics. 1964.
			Utah Wilderness - Coalition. Wilderness at
Objects of Historic Interest	-		the Edge. P 182.
Objects of Historic Interest			Lambrechtse, Rudi. Hiking the Escalante, 1985.
Objects of Historic Interest			Utah BLM Statewide Final Wilderness EIS, 1990.
Objects of Historic Interest			Utah BLM Statewide Final Wilderness EIS, 1990.

	GSENM 8-30-17		
Object	Description	Location	Source
	(b)(5) DPP (b)(5) ACP		
			Utah BLM Statewide
			Final Wilderness EIS,
Objects of Historic In	terest		1990.
			T 1 1 D 1
			Lambrechtse, Rudi.
Objects of Historia Im	tamast		Hiking the Escalante,
Objects of Historic In	literest		1985.
			Utah BLM Statewide
			Final Wilderness EIS,
Objects of Historic In	tarast		1990.
Objects of Historic III	itelest		Utah BLM Statewide
			Final Wilderness EIS,
Objects of Historic In	terest		1990.
Jujects of Historic III	tterest		1990.
			Abby, Edward and Hyde
Objects of Historic In	terest		Philip. Slickrock p.46.
	tiol ost		imp. shekroek p. 10.
			Abby, Edward and Hyde
Objects of Historic In	terest		Philip. Slickrock p.46.
J			1
			Edwards, Tom, 1996;
			Knopf, 1985; Armbruste
			and Lande, 1993; Beier,
			1993; Belovsky, 1987;
			Brown, 1971; Davidson
			et al., 1996; Diamond,
			1981; Fahrig and
			Merriam, 1985; Frankel
			and Soule, 1981; Harris
			and Gallagher, 1989;
			Heaney, 1984; IUCN,
			1978; Kushlan, 1979;
			Lomolino and Channell,
			1995; Meffe and Carroll
			1994; Newmark, 1995;
			Noss, 1993; Patterson,
			1984; Pickett and
			Thompson, 1978,
			Primack, 1993; Saunders
			et al., 1991; Shaffer,
			1981; Soule, 1987; Soule
			and Wilcox, 1980;
			Wegner and Merriam,
Objects of Biological			1979; Wilcove et al.,
Interest			1986; Willis, 1974.

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	GSEN	<u>IM 8-30-17</u>	
Object	Description	Location	Source
	(b)(5) DPP (b)(5) ACP		
			BLM Wilderness EIS;
			Knopf, 1985; Shulz,
			1993; Armbruster and
			Lande 1993; Beier, 1993;
			Belovsky, 1987; Brown,
			1971; Davidson et al.,
			1996; Diamond, 1981;
			Fahrig and Merriam,
			1985; Frankel and Soule,
			1981; Harris and
			Gallagher, 1989; Heaney,
			1984; IUCN, 1978;
			Kushlan, 1979; Lomolino
			and Channell, 1995;
			Meffe and Carroll, 1994;
			Newmark, 1995; Noss,
			1993; Patterson, 1984;
			Pickett and Thompson,
			1978; Primack, 1993;
			Saunders et al., 1991;
			Shaffer, 1981; Soule,
			1987; Soule and Wilcox,
			1980; Wegner and
Objects of Biological			Merriam, 1979; Wilcove
Interest			et al., 1986; Willis, 1974.
	_		Spaulding, 1979; BLM
			Wilderness EIS; Knopf,
			1985; Shulz, 1993;
			Armbruster and Lande
			1993; Beier, 1993;
			Belovsky, 1987; Brown,
			1971; Davidson et al.,
			1996; Diamond, 1981;
			Fahrig and Merriam,
			1985; Frankel and Soule,
			1981; Harris and
			Gallagher, 1989; Heaney,
			1984; IUCN, 1978;
			Kushlan, 1979; Lomolino
			and Channell, 1995;
			Meffe and Carroll, 1994;
			Newmark, 1995; Noss,
			1993; Patterson, 1984;
			Pickett and Thompson,
			1978; Primack, 1993;
			Saunders et al., 1991;
			Shaffer, 1981; Soule,
			1987; Soule and Wilcox,
			1980; Wegner and
Objects of Biological			Merriam, 1979; Wilcove
Interest			et al., 1986; Willis, 1974.
			Utah BLM Statewide
Objects of Biological			Final Wilderness EIS,
Interest			1990.
			

		GSENM 8-30-17	Τ.
Object		Location	Source
Objects of Biological Interest	Description (b)(5) DPP (b)(5) ACP	Location	Kaiparowits Power Project EIS; Axelrod, 1960; Utah Natural Heritage Program plant database; Nabhen and Wilson, 1996; Shulz, 1993; Albee et al., 1988; Welsh, 1974; Welsh et al. 1975; Hintze, 1988; Datt, 1996; Shreve, 1942; Cronquist et al., 1977; Utah Natural Heritage Program plant database.
Objects of Biological			Hintze, 1988; Nabhen and Wilson, 1996; Gross, 1987; Dott, 1996;
Interest			Roberts, 1987.
Objects of Biological Interest			Kaiparowits Power Project EIS; Axelrod, 1960; Utah Natural Heritage Program plant database; Nabhen and Wilson, 1996; Shulz, 1993; Albee et al., 1988; Welsh, 1974; Welsh et al. 1975; Hintze, 1988; Dott, 1996; Shreve, 1942; Cronquist et al., 1977

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	GSEN	<u>IM 8-30-17</u>	
Object	Description	Location	Source
	(b)(5) DPP (b)(5) ACP		
Objects of Biological Interest			Davidson et al. 1996; Tom Edwards, 1996, Behnke, R.J., and Zar, M., 1976.
Objects of Biological Interest			Utah Natural Heritage Program plant database; Nabhen and Wilson, 1996; Shulz, 1993; Albee et al., 1988; Welsh, 1974; Welsh et al. 1975; Hintze, 1988.
Objects of Biological Interest		_	Hintze, 1988; Shulz, 1993; BLM Wilderness EIS.
Objects of Biological Interest			Hintze, 1988; Shulz, 1993; Albee et al., 1988; Axelrod, 1960; Welsh, 1978; Stevens, 1992; Dott, 1996.
			1993; Albee et al., 1988; Axelrod, 1960; Welsh, 1978; Stevens, 1992; Dott, 1996; Armbruster and Lande, 1993; Fahrig and Merriam, 1985; Beier, 1993; Belovsky, 1987; Brown, 1971;
			Davidson et al. 1996; Diamond, 1981; Frankel and Soule, 1981; Harris and Gallagher, 1989; Heaney, 1984; IUCN, 1978; Kushlan, 1979; Lomolino and Channell, 1995; Meffe and
			Carroll, 1994; Newmark, 1995; Noss, 1993; Patterson, 1984; Pickett and Thompson, 1978; Primack, 1993; Saunders et al., 1991; Shaffer,
Objects of Biological Interest			1981; Soule, 1987; Soule and Wilcox, 1980; Wegner and Merriam, 1979; Wilcove et al.,

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Objects of Biological Objects of Biological Illinize, 1988; Shulz, 1993; Albee et al., 1998; Availord, 1960; Welsh, 1978. Utab BLM Statewid: Final Wildemess EIS, 1990. Objects of Biological Interest Objects of Biological			<u>GSENM 8-30-</u>	
Hintre, 1988; Shulz, 1993; Alice et al., 1988; Avelind, 1961; Welsh, 1993. Alice et al., 1988; Avelind, 1961; Welsh, 1978. Urah BLM Statewide Final Wilderness FIS, 1990. Objects of Biological Interest Nablen and Wilson, 1996, Harper et al., 1994; Welsh et al., 1997, Fowler et al., 1994; Velsh et al., 1997, Fowler et al., 1994; Velsh et al., 1997, Fowler et al., 1994; et al., 1995; et al., 1995; et al., 1995; et al	Object	Description	Location	Source
Objects of Biological Interest Utah BLM Statewide Final Wilderness FIS, 1990. Objects of Biological Interest Interest Objects of Biological Interest Nabhen and Wilson, 1996 Hurper et al., 1994 Welsh et al., 1993 May Objects of Biological et al., 1995 Fowler et al., 199		(b)(5) DPP (b)(5) ACP		
Objects of Biological Interest Utah BLM Statewide Final Wilderness FIS, 1990. Objects of Biological Interest Interest Objects of Biological Interest Nabhen and Wilson, 1996 Hurper et al., 1994 Welsh et al., 1993 May Objects of Biological et al., 1995 Fowler et al., 199				
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Interest Objects of Biological Interest Objects of Biological Interest Objects of Biological Interest Objects of Biological Interest Hintze, 1988; USGS. Topographical Maps Hintze, 1988; USGS Topographical Maps Hintze, 1988; USGS Topographical Maps; Beier, 1993; Noss, 1992, 1993. Utah BLM Statewide Final Wilderness EIS, 1990. Objects of Biological Interest Objects of Biological Interest Nablem and Wilson, 1996; Happer et al., 1994; Weish et al., 1995; Happer et al., 1995; New Yorker et				1993; Albee et al., 1988;
Objects of Biological Interest Objects of Biological	Objects of Biological			
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Objects of Biological Interest Topographical Maps, Hintze, 1988; USGS Topographical Maps, Briters, 1988; USGS Topographical Maps, Beier, 1993; Noss, 1992, 1993. Usah BLM Statewide Final Wilderness FIS, 1990. Hintze, 1988; Utah BIM Final Wilderness FIS, 1990. Hintze, 1988; Utah BIM Final Wilderness EIS, 1990. Nabhen and Wilson, 1996; Harper et al., 1993, May, et al., 1993; Fowler et al., 1993, Wells et al., 1993; Fowler et al., 1993.				
Interest Topographical Maps Hintze, 1988; USGS Topographical Maps; Beier, 1993; Noss, 1992, 1993. Utah BLM Statewide Final Wilderness EIS, 1990. Hintze, 1988; Utah BIM Final Wilderness EIS, 1990 Hintze, 1988; Utah BIM Final Wilderness EIS, 1990 Nabhen and Wilson, 1996; Harper et al., 1994, Welsh et al., 1993; May Welsh et al., 1993; May Objects of Biological et al., 1995; Fowler et al., 1994.	Interest	_		1990.
Interest Topographical Maps Hintze, 1988; USGS Topographical Maps; Beier, 1993; Noss, 1992, 1993. Utah BLM Statewide Final Wilderness EIS, 1990. Hintze, 1988; Utah BIM Final Wilderness EIS, 1990 Hintze, 1988; Utah BIM Final Wilderness EIS, 1990 Nabhen and Wilson, 1996; Harper et al., 1994, Welsh et al., 1993; May Welsh et al., 1993; May Objects of Biological et al., 1995; Fowler et al., 1994.				
Interest Topographical Maps Hintze, 1988; USGS Topographical Maps; Beier, 1993; Noss, 1992, 1993. Utah BLM Statewide Final Wilderness EIS, 1990. Hintze, 1988; Utah BIM Final Wilderness EIS, 1990 Hintze, 1988; Utah BIM Final Wilderness EIS, 1990 Nabhen and Wilson, 1996; Harper et al., 1994, Welsh et al., 1993; May Welsh et al., 1993; May Objects of Biological et al., 1995; Fowler et al., 1994.				
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Objects of Biological Interest Hintze, 1988; Utah BIM Final Wilderness EIS, 1990. Hintze, 1988; Utah BIM Final Wilderness EIS, 1990 Nabhen and Wilson, 1996; Harper et al., 1994; Welsh et al., 1993; May Utal., 1995; Fowler et al., 1994; Welsh et al., 1995; Fowler et al., 1995; Powler et al., 1995;	Interest			
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1996; Harper et al., 1994; Welsh et al., 1993; May et al., 1995; Fowler et al.,				
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1996; Harper et al., 1994; Welsh et al., 1993; May et al., 1995; Fowler et al.,				Nahhen and Wilson
Welsh et al., 1993; May Objects of Biological et al., 1995; Fowler et al.,				
Objects of Biological et al., 1995; Fowler et al.,				
	Objects of Biological			et al., 1995; Fowler et al.,
	Interest			

	GSENM 8-30-17						
Object	Description	Location	Source				
	(b)(5) DPP (b)(5) ACP						
			Axelrod, 1960; BLM				
			Wilderness EIS; Van				
			Devender and Spauling,				
			1979; Fowler et al.,				
Objects of Biological			1995; Nabhen and				
Interest			Wilson, 1996.				
Objects of Biological							
Interest			Hintze, 1988.				
			Case and Cody, 1988;				
			Diamond, 1981; Dott,				
			1996; Harris, 1984;				
			Ludwig and Whitford,				
			1981; Fowler et al.,				
			1995; Nabhen and				
			Wilson, 1996; Roberts,				
Objects of Biological			1987; Reice, 1994;				
Interest			Axelrod, 1960.				
			al., 1996; Miller, 1961;				
			Minckley and Deacon,				
			1968; Armbruster and				
			Lande, 1993; Fahrig and				
			Merriam, 1985; Beier,				
			1993; Belovsky, 1987;				
			Brown, 1971; Davidson				
			et al. 1996; Diamond,				
			1981; Frankel and Soule,				
			1981; Harris and				
			Gallagher, 1989; Heaney				
			1984; IUCN, 1978;				
			Kushlan, 1979; Lomoline				
			and Channell, 1995;				
			Meffe and Carroll,				
			1994; Newmark, 1995;				
			Noss, 1993; Patterson,				
			1984; Pickett and				
			Thompson, 1978;				
			Primack, 1993; Saunders				
			et al., 1991; Shaffer,				
			1981; Soule, 1987; Soule				
			and Wilcox, 1980;				
011			Wegner and Merriam,				
Objects of Biological			1979; Wilcove et al.,				
Interest			1986; Willis, 1974.				

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Object	Description	Location	Source
	(b)(5) DPP (b)(5) ACP		1993; Albee et al., 1988; Axelrod, 1960; Welsh, 1978; Stevens, 1992; Dott, 1996; Armbruster and Lande, 1993; Fahrig and Merriam, 1985; Beier, 1993; Belovsky, 1987; Brown, 1971; Davidson et al. 1996; Diamond, 1981; Frankel and Soule, 1981; Harris and Gallagher, 1989; Heaney, 1984; IUCN, 1978; Kushlan, 1979; Lomolino and Channell, 1995; Meffe and Carroll, 1994; Newmark, 1995; Noss, 1993; Patterson, 1984; Pickett and Thompson, 1978; Primack, 1993; Saunders et al., 1991; Shaffer, 1981; Soule, 1987; Soule
Objects of Biological Interest			and Wilcox, 1980; Wegner and Merriam, 1979; Wilcove et al.,
			Belnap, 1994, 1995; Belnap and Harper, 1995; Belnap et al., 1994; Jefferies, 1989; Harper and Marble, 1988; Johansen, 1993;
Objects of Biological Interest			Mack and Thompson, 1978; Fleischner, 1994.
Objects of Biological Interest			Ludwig and Whitford 1981; Belnap 1995.

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Belmap, 1995, 1996: Belmap et al., 1994; Mack and Thompson, 1982; Picischner, 1994; Keliner and Happer 1972: Harper et al., 1994; Webb, 1994; Rogers, 1982; Picischner, 1994; Rogers, 1982; Picischner, 1994; Rogers, 1982; Picischner, 1994; Rogers, 1982; Picisch and White 1985; Moldenke, 1995; Param and Hibleringer, 1993; Turner et al., 1981; Webb and Wilshire 1981; Larner, 1996; Rowers et al., 1981; Webb and Wilshire 1981; Larner, 1996; Rowers et al., 1981, Wilcox et al., 1981, Wilcox et al., 1984, Wilcox et al., 1984, Wilcox et al., 1990; Ookey, et al., 1974; Rost and Bulley, 1985; Mader et al., 1990; Ookey, et al., 1974; Rost and Bulley, 1983; Marker et al., 1990; Ookey, et al., 1974; Rost and Bulley, 1983; Mackahon, 1985 Polytets of Biological Interest Billings, 1994; Forcella and Harvey, 1983; Gross, 1987; Hunter, 1999; Loope et al., 1988; Mackahon, 1987; Pelatura and Itali, 1994 Objects of Biological Interest Objects of Biological Interest Usta BLMS Statewide Final Wildeness ElS, 1990. Usa BLMS Statewide Final Wildeness ElS, 1990.			GSENM 8-30-17	_
Belnap, 1995, 1996; Belnap et al., 1994; Mack and Thompson, 1982, Fleischner, 1994; Klsiner and Harper 1972; Harper et al., 1994; Webb, 1994; Rogers, 1982; Pickert and White, 1985; Woldenke, 1995; Evans and Bhleringer, 1993; Turner et al., 1994; Web und Wilshire 1981; Larsen 1996; Bowers et al., 1994; Wilcox and Murphy 1985; Moder et al., 1990; Olsey, et al., 1974; Rost and Bailey, 1979; Wilmer and Calesta, 1985 Objects of Biological Interest Billings, 1994; Fercelta and Harvey, 1983; Gross, 1987; Hunter, 1996; Loope et al., 1988; MacMahon, 1987; Pellult and Hall, 1994 Objects of Biological Interest Objects of Biological Interest Objects of Biological Interest Utah BLM Statewide Final Wilderness ElS, 1990. Utah BLM Statewide F	Object	Description	Location	Source
Belnap et al., 1994; Mask and Thompson, 1982; Fleischner, 1994; Kleiner and Harper 1972; Harper et al., 1994; Webb, 1994; Rogers, 1982; Pickett and White, 1985; Moldenke, 1995; Evans and Bhleringer, 1993; Turner et al., 1993; Verson et al. 1993; Verson et al. 1993; Verson et al. 1994. Wilcox and Murphy 1985; Mader et al., 1994, Wilcox and Murphy 1985; Mader et al., 1994, Wilcox and Murphy 1985; Mader et al., 1994, Wilcox and Murphy 1985; Mader et al., 1994; Florischer, 1994; Forcella and Harvey, 1983; Gross, 1987; Wittner and Calesta, 1985 Objects of Biological Interest Déjects of Biological Interest Objects of Biological Interest		(b)(5) DPP (b)(5) ACP		
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Billings, 1994; Fleischner, 1994; Forcella and Harvey, 1983; Gross, 1987; Hunter, 1990; Loope et al., 1988; MacMahon, 1987; Pellant and Hall, Interest Utah BLM Statewide Final Wilderness EIS, 1990.	Objects of Biological			Wilcox and Murphy 1985; Mader et al., 1990; Osley, et al., 1974; Rost and Bailey, 1979; Witmer and Calesta,
Objects of Biological Interest	Objects of Biological Interest			Fleischner, 1994; Forcella and Harvey, 1983; Gross, 1987; Hunter, 1990; Loope et al., 1988; MacMahon, 1987; Pellant and Hall, 1994
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Object	Description	Location	Source
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			Utah BLM Statewide
			Final Wilderness EIS,
Objects of Biological			1990 and Kleiner and
Interest			Harper, 1972
			Utah BLM Statewide
Objects of Biological			Final Wilderness EIS,
Interest	-		1990.
			Ayyad 1981; Graff 1988;
			Van Devender and
Objects of Biological			Spaulding 1979; Wagner
Interest	-		1981.
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Interest	_		al., 1994.
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Objects of Biological			White 1985; Rosenweig
Interest			1985.
Objects of District 1			
Objects of Biological			Dragne 1002
Interest			Dregne, 1983.

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Object	Description	Location	Source			
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			Monsen and Kitchen,			
			1994; Kelly 1996; Harper			
Objects of Biological			and Marble 1988;			
Interest			Davidson et al. 1996.			
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Objects of Biological						
Interest			Harper et al., 1994.			
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Objects of Biological			Shreve, 1942; Dott,			
Interest			1996.			
			Utah Statewide			
Objects of Biological			Wilderness Study Report,			
Interest			1991.			
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Objects of Biological			Wilderness Study Report,			
Interest			1991.			
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Objects of Riclogical			Utah Statewide Wilderness Study Report			
Objects of Biological Interest			Wilderness Study Report, 1991.			
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HRA, Inc. Conservation Archaeology	HRA Papers in Archaeology No. 1 June 2000	Pithouse Excavations at the Park Wash Site (42KA4280) Grand Staircase-Escalante National Monument SouthCentral Utah Prepared for BLM Kanab Field Office	Ahlstrom, Richard V. N., editor.	Archaeology	Journal Article	
		Anasazi Subsistence in the St. George Basin, Southwestern Utah	Allison, James R., Master of Arts Thesis, April 1990	Archaeology	Thesis and Dissertations	
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		Residential Mobility of Paleoarchaic and Early Archaic Occupants at North Creek Shelter (42GA5863): An Analysis of Chipped Stone Artifacts	Bodily, Mark L., Master of Arts Thesis, April, 2009	Archaeology	Thesis and Dissertations	
Utah Museum of Natural History	1979	Petroglyphs and Pictographs of Utah, 2 vols	Castleton, Kenneth	Archaeology	Book/Chapte r	Yes
Johnson Books	1990	Legacy on Stone: Rock Art of the Colorado Plateau and Four Corners Region	Cole, Sally J	Archaeology	Book/Chapte	Yes
P-III Associates, Inc.	in Tipps, Betsy L., editor, The Burr Trail Archeological Project: Small Site Archeology on the Escalante Plateau and	Pottery	Coulam, Nancy J.	Archaeology	Book/Chapte	
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Museum of Northern Arizona		Archaeological and Ethnohistorical Phase I Consultation for the Kaiparowits Power Project: Proposed Plant Sites, Impact Study Area and Proposed Transmission Line Corridors	Fish, Paul	Archaeology	Conference Proceedings/ Professional	Yes
U. S. Department of the Interior	Navajo Nation Archaeology Department, Archaeology Report 98- 112, Flagstaff, AZ 1990, GSENM Special	Kaibabitsinungwu: An Archaeological Sample Survey of the Kaiparowits Plateau	Geib, Phil R., Jim H. Collette, and Kimberly Spurr	Archaeology	Book/Chapte	
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US Department of Interior	Management Utah Office Cultural Resource Series no. 4, final report for contract 14-08-0001-	Cultural Resource Evaluation in South Central Utah, 1977-78	Hauck, Forrest	Archaeology	Journal Article	Yes
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Archaeology	V.15, No.1, Winter, 2001	Grand Canyon-Parashant	Hawks, Diana	Archaeology		
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University of Utah Press, Salt Lake City	in Rhode, David, editor, Meetings at the Margins: Prehistoric cultural Interactions in the Intermountain West,	Fremont-Anasazi Boundary Maintenance and Permeability in the Escalante Drainage	Janetski, Joel C., Lane D. Richens, and Richard K. Talbot	Archaeology	Book/Chapte	
Society for American Archaeology	American Antiquity, 77(1), p.125-159, 2012	The Paleoarchaic to Early Archaic Transition on the Colorado Plateau: The Archaeology of North Creek Shelter	Janetski, Joel C., Mark L. Bodily, Bradley A. Newbold, and David T. Yoder	Archaeology	Journal Article	
	Utah Historical Quarterly, 79(3): 204-223	Deep Human History in Escalante Valley and Southern Utah	Janetski, Joel C., Mark L. Bodily, Bradley A. Newbold, and David T. Yoder	Archaeology	Journal Article	
University of Utah Press	1981	Prehistoric and Historic Settlement in the Escalante Desert	Janetski, Joel, ed.	Archaeology	Book/Chapte	Yes
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		Paleoethnobotanical Analysis of three Early Pueblo II Period Virgin anasazi Sites in Southwestern Utah: 42Ws1191, 42Ws3119, And 42Ws4145	Landon, Amanda Jane, A Masters Research paper	Archaeology	Thesis and Dissertations	
Utah Geological Survey	Circular 95, 1997	A Preliminary Assessment of Archeological Resources within the Grand Staircase-Escalante National Monument, Utah	Madsen, David B.	Archaeology		0 05 0055

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1007		11	McEaddan Dana	A		
1997		Escalante Drainage	McFadden, Doug	Archaeology	Papers	
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		Virgin, Kayenta and Fremont			Professional	
2002		Relationships	McFadden, Doug	Archaeology	Papers	
		Duran aming Analysis Is an an an				
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The Center for Desert	Archeology Southwest,	Unprecedented Scale Grand	M.E. II. D		Journal	
Archaeology	V.15, No.1, Winter, 2001	Staircase-Escalante	McFadden, Doug	Archaeology	Article	
		The Middle Trail Inventory:				
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CCENIM		Evidence for Pueblo IV Presence	McFadden, Douglas	A 1 1	Journal	
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Interior	1, 2003	Strategies on Fiftymile Mountain	A.	Archaeology	r	
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Interior	2000	Escalante National Monument	A.	Archaeology	r	
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Interior	2012	Anasazi Farmstead	A.	Archaeology	r	
Archaeological Society						
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		Vivoir Anggari Sottlement and	MaFaddan Dayalas		Dools/Chanta	
Archaeological Council	B. Kohl, Editors, Utah	Virgin Anasazi Settlement and	McFadden, Douglas	A male a salla arr	Book/Chapte	
(UPAC) and Utah Division	Archaeology, 1996	Adaptation on the Grand Staircase	A.	Archaeology	1	
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Publisher's Press	1966	West	Miller, David	Archaeology	- 1	es
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	Southwestern	Early Holocene Turkey (Melaegris	Newbold, Bradley			
	Anthropology and History,		A., Joel C. Janetsky,			
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		The Terminal Formative and the	Spangler, J. CPAA-			
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Utah Museum of Natural		Cultural Resources in the Grand			_	
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		A Spatial and Stylistic Analysis of	Terlep, Michael L.			
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	KIVA: The Journal of		Yoder, David T.,			
	Southwestern		Mark L. Bodily, Sara			
A .: A 1 1 1 1	Anthropology and History,		Hill, Joel C. Janetski,		T 1	
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Wasatch Publishers	1982	Canyon country rock art	Barnes, F. A.	Archeology	-	Yes
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Utah Professional Archeological Council	Archaelogy, v.1988, p.5- 28, 1988	Fluted projectile points in Utah	Copeland, J. M., and R. E. Fike	Archeology	Journal Article	
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Arizona		Kaiparowits power project proposed	Firmage, R. A.	Archeology	GSENM	
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Mesa Verde National Park,		Preservation Maintenance on 42ka1248, 42ka1520, 42Ka2301, 42ka4865, 42Ka4870 Grand Staircase-Escalante National Monument and BLM Administered	Fritz, Noreen R., and		Reports to
Cortez, Colorado, 2001		Lands	Kathleen Fiero	Archeology	GSENM
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	2001	Ethnographic Assessment of Kaibab Paiute Resources in Grand Staircase- Escalante National Monument	Stoffle, et al	Archeology	Journal Article
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			Atwood, K, J			
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The University of Chicago	the evolution of life, vol.1,				Book/Chapte	
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